

Amendments to the Specification

Please replace the paragraph beginning on page 13, line 23, of the substitute specification (clean) with the following rewritten paragraph:

A magnetic field sensor (1), which may internally consist of several individual field sensors, determines the magnitude of the magnetic field. The output signal (2) of the magnetic field sensor is communicated to an analyser unit (3). The analyser unit serves to evaluate and process the sensor signals. This analyser unit is optionally at least one memory (4) or a signalling unit (5), respectively. Analyser unit also provided with at least one additional limit discriminator (6). In cases where at least one memory is associated optionally either a value generated from the integral or the derivation of the sensor signals, or the scaled value of the sensor signal is written into the memory. The memory contents may be read simultaneously or at any subsequent point of time whatsoever by using a means (7) for communication.